

Abstract

Described is an ignition coil (10) for a gasoline engine having a coil core (12) in which a primary magnetic field (H_P) is inducible via a current-carrying (I_P), essentially coil-shaped primary winding (14). The ignition coil has an essentially coil-shaped secondary winding (16), in which an energy field, which controls at least one spark plug (18), is able to be built up due to the primary magnetic field (H_P). A premagnetization device for forming a premagnetization field (H_V) opposite the primary magnetic field (H_P) is effective at the coil core (12). The premagnetization device has a current-carrying (I_V), essentially coil-shaped premagnetization winding (20).

10 (Figure 2)